

## ABSTRACT

A photosensitive imaging apparatus has a linear array of groups of photosensors. In a low-resolution scanning mode, all of the photosensors in each group act together as one large photosensor. In a high-resolution scanning mode, each photosensor in a group acts outputs image-based signals independently. In either mode, the signals output by the photosensors are transferred to one of two output lines, such as for "odd-" and "even-" positioned photosensors or groups of photosensors. The signals on the two lines can then be multiplexed to a single output line. The dual output lines enable fast signal output in either resolution mode.